

- 10 -

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A fire retardant paper, wherein said paper is resin impregnated and the
5 said resin includes a fire retardant compound containing borax and diammonium phosphate.
2. A fire retardant paper as claimed in claim 1, wherein the fire retardant mixture remains bonded to the resin during immersion of the paper in water.
3. A method of treatment of resin impregnation into manufactured paper
10 to render the paper fire retardant, said method comprising the addition of a fire retardant compound containing borax and diammonium phosphate introduced into said resin.
4. A method as claimed in claim 2 wherein the fire retardant compound is added together with sodium hydroxide as a buffer.
5. A method as claimed in claim 2 or 3, wherein the pH of the fire retardant compound is greater than 9.0 during introduction to the resin.
6. A method of producing a fire retardant paper comprising introducing a kraft paper to a fire retardant resinous compound containing borax and diammonium phosphate.
- 20 7. A method as claimed in claim 6, wherein a portion of the resinous compound is introduced to the borax and diammonium phosphate during component mixing before addition to the balance of the resinous compound and introduction of the kraft paper thereto.
8. A method as claimed in claim 6 or 7, wherein the pH of the fire
25 retardant resinous compound is greater than 9.0.
9. A method as claimed in claim 8, wherein sodium hydroxide is used as a solution buffer to maintain the pH of the fire retardant resinous compound.
10. A fire retardant resin impregnated paper incorporating a fire retardant compound containing borax and diammonium phosphate substantially as hereinbefore
30 described.